

Title (en)

Infrared reflecting blue pigment, infrared reflecting green pigment, paint and resin composition using the infrared reflecting blue pigment, and paint and resin composition using the infrared reflecting green pigment

Title (de)

Blaues infrarotreflektierendes Pigment, grünes infrarotreflektierendes Pigment, Farb- und Harzzusammensetzung mit dem blauen infrarotreflektierenden Pigment und Farb- und Harzzusammensetzung mit dem grünen infrarotreflektierenden Pigment

Title (fr)

Pigment bleu réfléchissant les infrarouges, pigment vert réfléchissant les infrarouges, peinture et composition de résine utilisant le pigment bleu réfléchissant les infrarouges, et peinture et composition de résine utilisant le pigment vert réfléchissant les infrarouges

Publication

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Application

EP 09250630 A 20090305

Priority

- JP 2008058775 A 20080307
- JP 2008058776 A 20080307

Abstract (en)

The present invention relates to an infrared reflecting blue pigment comprising a composite oxide comprising Co, Al and Mg, wherein a content of Mg in the blue pigment is 11 to 22% in terms of a molar ratio thereof based on whole metal element present in the blue pigment, and the blue pigment has a BET specific surface area of 10 to 100 m²/g; and an infrared reflecting green pigment comprising a composite oxide comprising Co, Al, Mg and Fe, wherein a content of Mg in the green pigment is 11 to 22% in terms of a molar ratio thereof based on whole metal element present in the green pigment, a content of Fe in the green pigment is 0.5 to 20% in terms of a molar ratio thereof based on whole metal element present in the green pigment, and the green pigment has an average particle diameter of 0.02 to 1.2 µm.

IPC 8 full level

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Citation (applicant)

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- JP 2007197570 A 20070809 - TODA KOGYO CORP
- JP 2000080301 A 20000321 - DAINICHISEIKA COLOR CHEM, et al
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CN103804961A; EP2952479A3

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